APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Study of the Basic Oxygen Process When Using Various Coolants, by V. V. Smiktiy.

RUSSIAN, per, Iz Vyssh Ucheb Zaved Chern Met, No 5, 1963, pp 58-64.

HB 5985

Sci-Engr

Nov 63

243,492

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Deoxidizing Capacity of the Rare-Earth Metals Lanthanum, Cerium, Praseodymium and Neodymium by G. Kinne, A. F. Vishkarev, V. I. Yavoiskiy.

RUSSIAN, per. Iz Vysshikh Ucheb Zaved Chern Met, No 5, 1963, pp 65-69.

HB 5984

Sci-M/M

243,495

Nov 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Calculation of the Strength and Rigidity of Rolling Mill Rolls, by Ya. S. Shain. RUSSIAN, per, Izv. VUZ-Chern. Met, No 5, 1963, pp 81-89. BISI 4367

Sci/M&M
Oct 65

290,497

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Effect of Lubrication the Texture of Rolled Metal, by N. I. Varich.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No 5, 1963, pp 151-155.
HB 6297

Sci - Engr
Nov 64

268,2495

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Structure of Boronized Layers, by A. N. Minkevich.

RUSSIAN, per, Izvest VUZ, Chern Met, No 5, 1963, pp 162-169.

HB 5986

Sci-Tech Chem
Jan 64

246,336

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

State Characteristics of Liquid Metals, by
L. A. Pronin, et al.
RUSSIAN, per, Izvestiya VUZ, Chernaya Metallurgiya,
No 6(11), 1963, pp 11-16.
*FTD-HT-23-1301-67

Sci/Materials
Sep 67

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Analysis of Heat Transfer Processes During Sintering by the Method of Suction, by S. G. Bratchikov, S. V. Bazilevich, et al.
RUSSIAN, per, Iz Vuysshikh Ucheb Zaved Chern Metal, No 6, 1963, pp 18-26.
BISI 3671

Sci-M/M
Feb 65

272,174

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Change in the Mineralogical Composition of Sinter in the Course of Its Reduction, by B. A. Livshits. RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 6, 1963, pp 27-31.
BISI 3599

Sci - M/M
Apr 64

253,289

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Change in Frictional Forces in a Beds of Granular Materials as Affected by the Speed of a Gas Passing Through It, by P. N. Grekov, V. K. Gruzinov, et al.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 6, 1963, pp 32-34.

HB 6010

Sci - M/M

Mar 64 250,795

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Ladle Treatment of Steel with Synthetic Titaniferous Slag, by N. I. Birukov.

RUSSIAN, per, Vysshikh Uchebn Zaved, Chern. Metal, No 6, 1963, pp 43-48.

Oct 63

HB 6014

Mat & Met
Oct 63

345, 150

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Production of Extra Heavy Plate of Semi-Killed Steel,
by ~~E. I. Kuginov, S. I. Kritenik~~ I.G. Kazantsev

RUSSIAN, per, IZ Vysshikh Ucheb Zaved, Chern. Met.,
No 6, 1963, pp 49-50.

HB 6015

Met & Met
Oct 63

345, 182

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics of Hydrogen Removal in the Vacuum Treatment of Liquid Steel, by E. S. Levin, K. T. Kurochkin, et al.

RUSSIAN, per, Iz. Vysshikh Uchebn Zaved, Chern. Metal., No 6, 1963, pp 58-67.

HXB Book 6013

Mat & Met 13
Oct 63

345,161

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Causes of the Formation of "Rolled-In" Scale During Rolling (of Steel), by V. I. Kuz'min.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved, Chern. Metal., No 6, 1963, pp 96-99,.

HB 6002

Mat & Met
Oct 63

345, 184

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Roentgenographic and Fractographic Investigation of Steel Destruction, by V. M. Finkel, P. I. Krotenok, et al, 10 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved Chern Metall, No 6, 1963, pp 130-137. 9697294
FTD-TT-65-19

Sci-M/M
Jul 65

282,761

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Measuring the Velocity of Convection Currents of Liquid Metal by Means of Water Models, by A. D. Akimenko.
RUSSIAN, per, Izvest. VUZ- Chern Met, No 6, 1963, pp 179-183.
HB 6821

Sci - Met
Aug. 67

338,345

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

of Coal, by A. N. Pokhvisnev, A. N. Spektor.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern
Met, No 7, 1963, pp 33-38.

HB 6065

Sci-M/M

Dec 63

243,931

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Development of Charge Conveying Systems in Blast-Furnace Plants, by V. K. Gruzinov, V. V. Petrovskii.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 7, 1963, pp 39-46.

HB 6216068

Sci - M/M

Mar 64

250,801

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Oxidation of Sulfur in the Basic Oxygen Process,
by K. Looze, G. N. Oiks.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern
Metal, No 7, 1963, pp 70-78.
HB 6100

Sci - Engr
Oct 64

268,464

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

INVESTIGATION OF STRESSES WHEN PUSHING A TUBE THROUGH A DRAW PLATE, BY V. V SHREYKIN, V. B. SLAVIN, 14 PP

RUSSIAN, PER, IZVEST VYSSHIKH UCHEB ZAVED, Ferr Metall NO 8, 1963, PP 72-81.

JPRS 22441

SCI-MAT & MET
JAN 64

245,091

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Investigation of the Temperature-Deformation Rate Relation for Resistance to Deformation in Metals and Steels, by L. D. Sokolov.
RUSSIAN, per, Izv. VUZ Chern Met., No 8, 1963, pp 93-101.
BISI 5827

Sci - Chem
Sepp. 67 340,117

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics of the Solution of Carbon and Recrystallization of Industrial Iron, by G. K. L'vov, V. I. Motyazhev. RUSSIAN, per, Iz VUZ, Chern Met, No 8, 1963, pp 128-131.
BISI 3875

Sci-M/M
Apr 65

278,731

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Spinel Brick Tested in the Lining of Basic Oxygen Furnaces, by A. I. Lyudvinskiy.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No 8, 1963, pp 161-163.
HB 6349

Sci - Engr
Nov 64

268,497

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics of the Reduction of Iron Oxides by Mixtures of Carbon Monoxide and Hydrogen, by T. P. Kurzina, S. I. Filippov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Met, No 9, 1963, pp 5-10.
HB 6104

Sci 1 M/M
Apr 64

255,953

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Desulfurization of Pig Iron Outside the Blast Furnace by Reduction of Magnesium Oxide With Aluminum, by M. A. Rabkin, et al.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 9, 1963, pp 28-32.

HB 6103

Sci - M/M

Mar 64

250,792

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Determination of the Deoxidizing ~~EX~~ Power of Elements by the EMF Method, by V. P. Luzgin, A. F. Vishkarev, et al.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 9, 1963, pp 50-54.
HB6098

Sci - M/M
Apr 64

255,961

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Primary Structure of Continuously Cast Rimmed-Steel Billets, by MB V. B. Gankin, et. al

RUSSIAN, per, Izvest VUZ, Chern Met, No 9, 1963, pp 62-69.

HB 6105

Sci-M/M
Jan 64

246, 372

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Investigation of Temperature Fields in An Electroslag Ingot, by V. V. Panin, M. M. Klyuyev, et al, 7 pp. RUSSIAN, per, Izvest Vyssh Ucheb Zaved, Chern Metal, No 9, 1963, pp 77-82. (Table of Contents)

JPRS 23089

Sci-M/M
Feb 64

248, 176

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

High-Temperature Deformation of Refractory Metals, by V. L. Orzhekhovskiy, I. M. Pavlov, et al, 7 pp. /
RUSSIAN, per, Izvest Vyssh Ucheb Zaved Chern Metal, No 9, 1963, pp 88-91. (Table of Contents)

JPRS 23121

Sci-M/M
Feb 64

248, 483

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Effect of Inoculants on the Viscosity of Liquid Steels, by N. S. Kreshchanovskiy, M. F. Sidorenko.
RUSSIAN, per, Izvest. VUZ Chern. Met, No 9, 1963, pp 142-144.
HB 6819

USSR
Sci/M&M
Mar 66

297,231

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Stacking Faults in Pure Cobalt and Cobalt Iron Alloys, by Y. D. Vishnyakov, et al. RUSSIAN, per, Izvestiya ANSSSR, VUZ, Chern Met, 1963, Vol 6, No 9, pp 145-149. NLL 5828.4 1964 (5508) (On Loan)

Aug 65 286,959

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

N. G. Shul'ga

Dilatometric study of phase transformations in High-chromium steels. 8 pp.
RUSSIAN, Izvestiya VUZ. Chernaya metallurgiya, No 9, 1963, pp 156-160
AIR/FTD-MT-24-1422-71

oct 72

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Characteristics fo Phase Transformations in Deformed Ferrous Alloys with High-speed Electric Heating, by V. N. Gridnev. V. T. Cherepin. RUSSIAN, par, Izv VUZ Cherm Metal, No 9, 1963, pp. 169-73.
HLL Ref: 5809.95 (T.6108)

Sci-Materials
July 69

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Use of the Thermo-Electromotive Force Method for Studying the Temper Brittleness of Steel, by A. P. Shadrunova.
RUSSIAN, per, Izv VUZ Chern Met, No 10, 1963, pp 109-112.
BISI 5966

Sci/Mat
Dec 68

354,440

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Thermodynamic Calculations of Certain Reactions Taking Place During the Settling Out of Titanium Carbide From Gaseous Phase, by V. P. Yelyutin, G. I. Pepekin, 8 pp,
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Chernaya Metall, No 11, 1963, pp 5-10. 9695267
FTD-TT-64-933

Scl - M/M
Mar 65

276,900

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Characteristics of the State of Liquid Metals,
by L. A. Pronin, S. I. Filippov, 6 pp.
RUSSIAN, per. Izvestiya Vysshikh Uchebnykh
Zavedeniy. Chernaya Metallurgiya, No 11, 1963,
pp 11-16.
AIR/FTS/HT-23-1301-67

Sci-Mat
Nov 68

353.691

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Interaction Between the Liquid and Solid Phases in the Pelletizing of Iron Ores and Concentrates, by V. I. Korotich.
RUSSIAN, Iz Vysshikh Ucheb Zaved, Chern Met, No 11, 1963, pp 22-29.
HB 6156

Sci - Phys
May 64

258,344

-

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Nature of Brown Fumes Formed During the Blowing of Oxygen Through Metal, by M. F. K. Mikkaui. RUSSIAN, per, Izv. VUZ Cher. Met., Vol 11, 1963, pp 37-41.
RISI 5842

Sci/Mat
Mar 68

351,016

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Calculation of Turbulent Flow in the Working Chambers of Furnaces, by V. I. Mikkalinnyi.
RUSSIAN, per, Izv. VUZ-Chorn. Met, No 11, 1963, pp 200-206.
BISI 4385

Sci/M&M
Oct 65

290,498

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Study of Pig Iron From the Combined Linging of Blast-Furnace Hearth Pad and Hearth, by I. M. Galemin, G. I. Ivantsov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Met, No 12, 1963, pp 28-34.
HB 6154

Sci - Engr
May 64

258,354

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Structure of a Capped Ingot of Rimming Steel, by R. Z. Blinelakh. RUSSIAN, per. Izv. VUZ Chern. Met., No 12, 1963, pp 45-53. BISI 4034

USSR
Sci/Met
May 65

279,537

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Efficient Relationships between the Rates of Bite and Discharge, Acceleration and Retardation during Rolling in Reversing Mills, by N. I. Baimov. RUSSIAN, per. Izv VUZ Chern Met, No 12, 1963, pp 90-98.
BISI 7338

Sci/Materials
Jun 69 384,504

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Calculation of the Durability of Rolls With a Circular Groove, by
A. A. Nefedov, Yu. S. Postol'nik.
RUSSIAN, per. Izv. VUZ-Chern. Met.
No 12, 1963, pp 118-125.
BISI 3965

Sci/MRM
Sep 65

239,329

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Effect of Zirconium on Austenite Grain Size on Heating Alloyed Structural Steels, by V. P. Zubarev, V. M. Khlestov.
RUSSIAN, per, Izv. VUZ Chern Met, No 12, 1963, pp 141-145.
BISI 4962

314,490

Sci - Methods and Equipment
Dec 66

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

On the rational Relationships Between the Speeds of Bite and Discharge, Acceleration and Deceleration During Rolling on Reversing Mills, by
N. I. Baimov.
RUSSIAN, per, Izv VUZ Chern Met, No 21, 1963, pp 90-98.
BISI 7338

Sci-Mat
June 70

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Laws of the Reduction of Iron From Ore Melts by Hydrogen, by V. V. Baidov.
RUSSIAN, per, Izv VUZ Cher Met, No 1, 1964, pp 13-19.
BISI 6413

Sci-Mat
Sep 68

365.599

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Permmeability of a Bed of Pellets to Gases, by
I. I. Rovenskiy, N. N. Berezhnoi.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern
Metal, No 1, 1964, pp 27-32.
HB 6229

Sci - Engr
Oct 64

268,467

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Effect of Various Factors Upon the Quantity of Brown Fumes Produced in Oxygen Steelmaking, by
M. Fikri Abdel'Razik Miqawi, et al.
RUSSIAN, per, Izvest. VUZ-Chern. Met.,
No 1, Jan 1964, pp 41-45.
MB 6247

Sci/MGM
Jun 65

280,953

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Behavior of Rare-Earth Metals in Liquid Steel, by A. P. Gulyayev, et al.
RUSSIAN, per, Iz Vyysh Ucheb Zaved, Chern Met, No 1, 1964, pp 56-61.
HB 6228

Sci-M & M
June 64

261,784

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Vacuum Melting of Nickel, by K. A. Matsarin.

RUSSIAN, per, Iz Vysshikh Uchеb Zaved Chern Metal, Vol VII, No 1, 1964, pp 62-68.

NLL Ref: 5828.4 1964 (5475)
(loan copy)

Sci
Sep 64

TT-64-19141

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Precipitation Hardening of Nickel-Vanadium Alloys, by V. P. Elyutin, et al. RUSSIAN, per, Izvestiya, VUZ, Chern. Metall, 1964, Vol 7, No 1, pp 136-141. NLL 5028.4 1964 (5501) (On Loan)

Aug 65 286,944

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Temper Brittleness and Internal Friction of K4OMKhM Type Alloys, by N. G. Makhukov.
RUSSIAN, per, Izvestiya, VUZ, Chern Met, 1964, Vol 7, No 1, pp 142-144.
MLL 5828.4 1964 (5507) (On Laon)

Aug 65 286,952

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Utilizing Power of 500-ton Open Hearth Furnaces in the Melting Period, by
N. A. Glinkov, E. A. Stul'pin.
AUSSR, per, Izvest. VUZ-Chernaya Met.,
no 1, 1964, pp 174-177.
BISI 3964

USSR
Scl/Mfg
Apr 65

278,402

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Technical Progress and Trends in the Utilization of Fuels at Metallurgical Plants, by A. A. Fedotov, N. P. Bannyy, et al, 10 pp.
RUSSIAN, per, Izvest Vysshikh Ucheb Zaved, Chern Metall, No 1, 1964, pp 201-208.
JPRS 23673

Sci - Mat & Met
Mar 64

252, 582

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Iron and Slag by Direct and Alternating Currents, by A. A. Dobryden, et al. RUSSIAN, per, Izvest. VUZ-Chern. Met., NO 2, Feb 1964, pp 5-12. HB 6230

USSR
Sci/MGM
Jun 65

280,967

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Mechanism of the Reduction of Iron Oxides,
by E. S. Vorontsov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern
Metal, No 2, 1964, pp 13-18.
BISI 3721

Sci - Engr
Aug 64

264,270

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Reduction and Slag Formation in a Blast Furnace During Smelting Bakal and Sokolov-Sarbai Ores, by V.P. Bratchenko, V. I. Kholzakov, et al.
RUSSIAN, per, Izv. VUZ Chern. Met.,
Vol 7,No 2, 1964, pp 34-41.
BISI 3972

CRL/T 2024

Sci/[redacted]
Jul 65

284,640

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Development of the Basic Oxygen Process, by V. I. Baptizmanskiy.
RUSSIAN, per, Iz Vyysh Ucheb Zaved, Chern Met, No 2, 1964, pp 49-55.
HB 6217

Sci-m & M
June 64

261,769

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Some Features of the Crystallization of Steel in Horizontal Continuous Casting, by O. A. Shatalagin. RUSSIAN, per, Iz Vyssh Ucheb Zaved, Chern Met, No 2, 1964, pp 58-63.
HB 6216

Sci-M & M
June 64

261,770

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Calculation of Oxygen Converter Melt Coolants, by O. N. Kostenetskii.
RUSSIAN, per. Izv. VUZ-Chern. Met.
Vol 7, No 2, 1964, pp 64-72.
BISI 4190

USSR
Sci/M&M
Jul 65

282,441

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Deformation Resistance of Pearlite Steels, by
L. D. Sokolov.
RUSSIAN, per. Izv. VUZ Cher. Met. Vol 2, 1964,
pp 80-85.
BISI 5828

Sol/Mat
Aug 68

361.381

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

On the Efficient use of the Long Pauses During Rolling in Reversing Mills, by N. I. Baymov. RUSSIAN, per, Izv. VUZ Chem. Met., No 2, 1964, pp 108-111.
BISI 7335

sci/materials
jan 70

399,946

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics Underlying the Supervision and Automatic Control of the Process of Carbon Elimination During Oxygen Blowing of Liquid Steel, by N. N. Drozdov, et al.
RUSSIAN, per, Iz Vyysh Ucheb Zaved, Chern Met, No 3, 1964, pp 16-22.
HB 6231

Sci-M & M
June 64

261,782

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Studying the Process of Titanium Carbide Formation Precipitated From Gaseous Phase, by V. P. Yelyutin, G. I. Pepokin, et al, 11 pp.

RUSSIAN, per, Iz VUZ Chernaya Metallurgiya No 3, 1964, pp 124-130. 9698502

FTD-TT-65-738

Sci-Fuels & Prop
Nov 65

291,4523

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics and Mechanism of Reduction of Manganese Oxides with Carbon - Part I, by A. K. Ashin, S. T. Rostovtsev. RUSSIAN, por, Izv. VUZ Chern. Met, Vol 7 No 4, 1964, pp 11-19. BISI 4339

Sci/M&M
Nov 65

292,044

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Desulfurization of Pig Iron with
Magnesium Outside the Blast Furnace,
By I. G. Polovchenko, et al.
RUSSIAN, per, Izvest. VUZ-Chern. Met. Vol 7
No 4, Apr 1964, pp 31-39.
MB 6288

Sci/MGM
Jun 65

280,952

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Trails to Improve the Technology of Melting and Casting Steel for Tube Billets, by Yu. E. Bembinek. KK RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No x 4, 1964, pp 48-55.
BISI 3813

Sci - Engr
Sep 64

266,9623

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

The Diffusion of Hydrogen in Fe and Steel's During Electro-cleaning, by P. V. Gel'd.
RUSSIAN, per, Izv VUZ Chern Met, No 4, 1964, pp 119-123.
*CFSTI TT 70-59093

Sci- phys
June 70

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Effect of Combination Surface Coatings on the Hydro-Abrasive Wear Resistance, by Yu. V. Grdina, A. F. Sofroshenkov, et al.
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Chern Metal, No 4, 1964, pp 124-128.
HB Tr No 6291

Sci - M/M
Feb 65 275,002

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Structure of Iron-Aluminium Alloys, by F. L. Edel'Man, L. I. Tushinsky.
RUSSIAN, per, Izv Vuz Chern Met, 1964, pp 9-131-137
GB/41/3722 - Price 6. 5s

Sci -
Jul 67

334,534

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Intensification of Open Hearth Melting by Means of a New Fuel Combustion Sys-em, by G. I. Chernysh.
RUSSIAN, per, Izvestiya VUZ Chern Met, No 4, 1964, pp 146-150.
BISI 6433

Sci-mat
Mar 69 376,297

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

On the Nature of Movement of Steel Drops in the Slag, by V. V. Khlynov and Yu. V. Sorokin.
RUSSIAN, per, Izvestiya VUZ, Chernaya Metallurgiya, No 5, 1964, pp unknown.
NLL R 0220, 7817 B. (On Loan)

Aug 65 286,447

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Ultrasonic Measurements in Molten Iron, by L. A. Pronin and N. B. Lazakov.
RUSSIAN, per, Izvestiya VUZ, Chernaya Metallurgiya, No 5, 1964, pp 12-16.
NLL R 0220, 7817 B. (On Loan)
SIC

Aug 65 286,446

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Improved Final Deoxidation of 16-25-6 CrNiMo and AISI 4340 Type Steels, by V. S. Vvedenskiy, et al.
RUSSIAN, per, Izvest. VUZ Chern. Met,
No 5, May 1964, pp 40-45.
MB 6814

USSR
Sci/M&M
Mar 66

297,232

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Model ~~Brak~~ Trials With the Circulation Method for the Degassing of Liquid Steel, by O. Kh. Fatkullin, G. N. Oiks.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No 5, 1964, pp 53-57.
BISI 3821

Sci - Engr
Sep 64

266,964

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Surface Tension of Alloys of Titanium with Tin, Aluminium and Iron, by V. P. Yelyutin and M. A. Maurakh. RUSSIAN, per, Izvestiya VUZ, Chernaya Metallurgiya, No 5, 1964, pp 117.
NLL R 0220, 7817 B. (On Loan)

Aug 65 286,448

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

NCH-201 308 Field 11F

Zalesski, V. I.; Tsibanova, M. S.; Kozlov, Y. I.
DUCTILITY DETERMINATION IN THE FORGING OF IGOTS AND BILLETS. 1965, 10p (foreign text included).
INC-Trans-65/54; NLL-M.5675.
Order from NLL as M.5675

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v7 n5 p90-3 1964.

I. International Nickel Co. (Mond) Ltd., London (England)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Size Grading Distribution of Materials in the Small-Bell Hopper, by G. S. Fedorenko.
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Chern Metal, No6, 1964, pp 17-22.
HB Tr No 6375

Sci - Phys
Feb 65

274,991

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Investigation of the Technical Properties
of the Basic Components of Iron Ore
Agglomerates, by B.A. Livshits;
G.S. Vasil'ev.
RUSSIAN, per, Izv. VUZ Chem. Met., 1964,
(6), 23-25.
*BISI 4101

Sci/Met & Mat
Mar 65

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Resistance of Carbon Steels, by L. D. Sokolov
RUSSIAN per, Izv.vyssh.ucheb.Zaved.Chern.Metall
Vol 6: 88-91, 1964
CRL/D 707

Sci-mat
July 69

385,810

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Changes in the Wall Thickness of Tubes During the Reduction Process as a Function of the Tensile-Plastic Properties of the Metal, by V.V. Shveikin; P.N. Ivshin.
RUSSIAN, per. Izvest. VUZ-Chernaya Met., 1964, Jun, 92-96.
*BISI 4007

Sci/Met & Mat
Mar 65

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Determination of the Minimum Fluidity of Metals and Alloys for Complete Filling of Mold, by N. I. Taran, A. Ya. Khramov. RUSSIAN, per, Izvest. VUZ-Chern. Met., No 6, 1964, pp 149-155.
HB 6730

USSR
Sci/MGM
Jan 66

294,665

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

On the Possibility of Keeping Blast-Furnace Blowing Conditions at the Optimum Level, by S. A. Vorob'ev, E. G. Mironov.
RUSSIAN, per, Izvest VUZ- Chern Met, Vol 7, No 6, 1964, pp 191-198.
HB 7356

Sci-Mech Engr
Sep 68

365.570

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Kinetics and Mechanism of Reduction of Manganese Oxides with Carbon - II, by A. K. Ashin, S. T. Rostovtsev.
RUSSIAN, per, Izv. VUZ Chern. Met, No 7, 1964, pp 10-18.
BISI 4339 Pt II.

N.L. 9000.091 B 1966 (AVAIL-0348)

USSR
Sci/M&M
Mar 66 297,173

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Carbon Consumption in the Blast Furnace, by
V. I. Korobov.
RUSSIAN, per, Iz VUZ, Chern Met, No 7,
1964, pp 29-35.
BISI 3890

Sci-H M/M
Apr 65

278,677

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5

Softening Temperatures of (Iron Ore) Sinters,
by S. P. Efimov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern
Metall, No 7, 1964, pp 36-42.
*HB 6529

Sci - Engr
Sep 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830027-5